

1/5

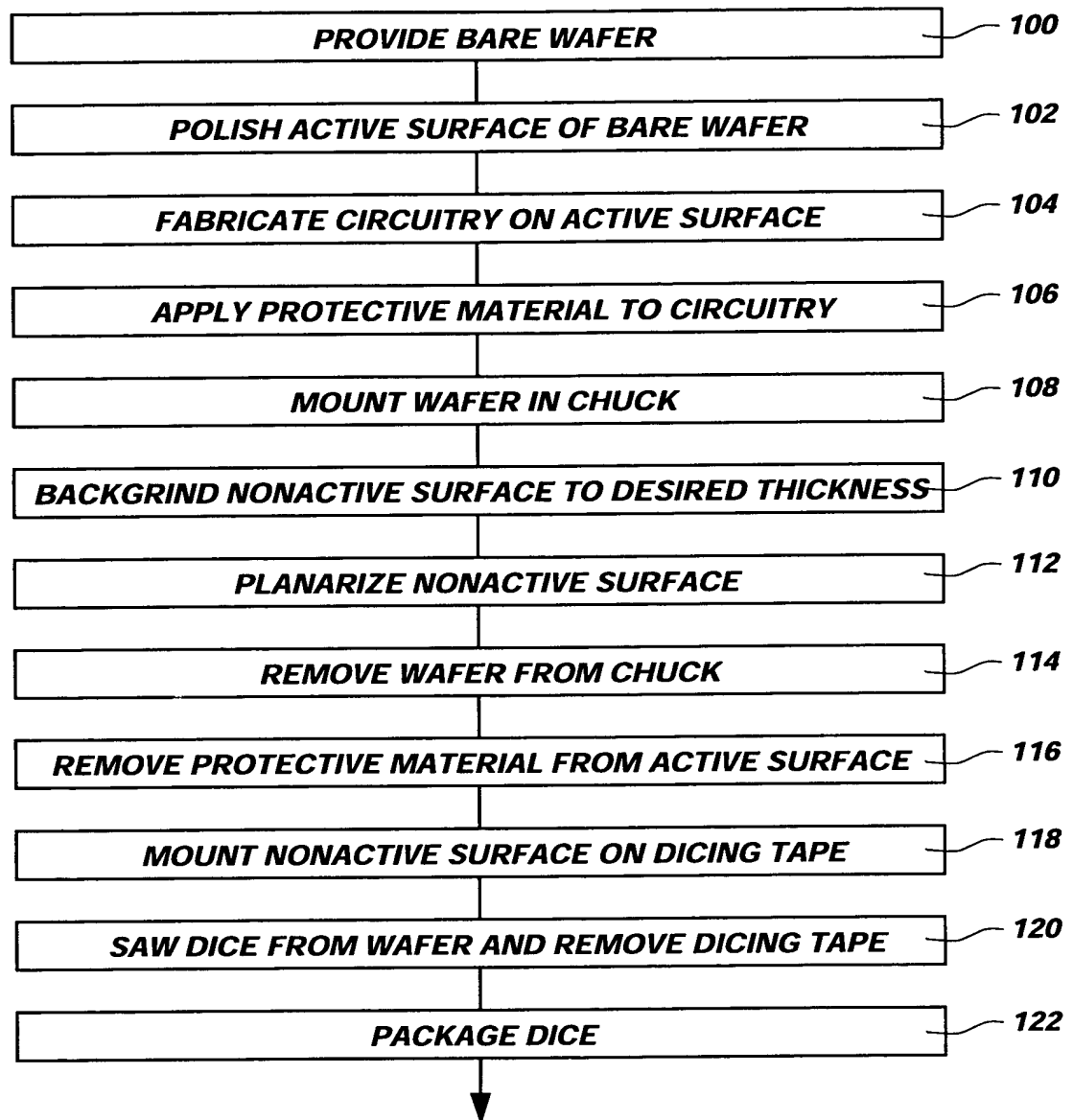


FIG. 1
(PRIOR ART)

2/5

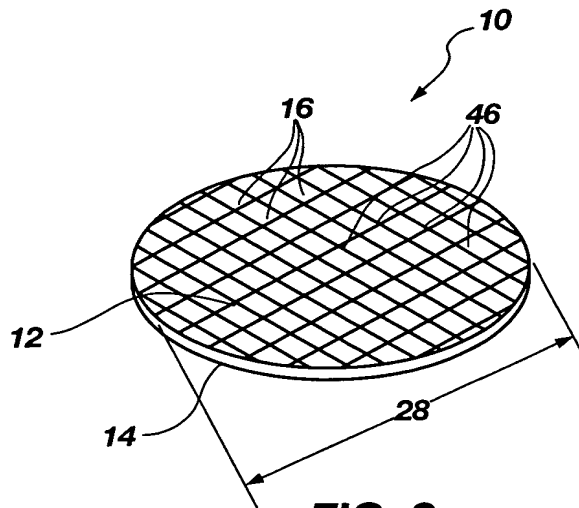


FIG. 2
(PRIOR ART)

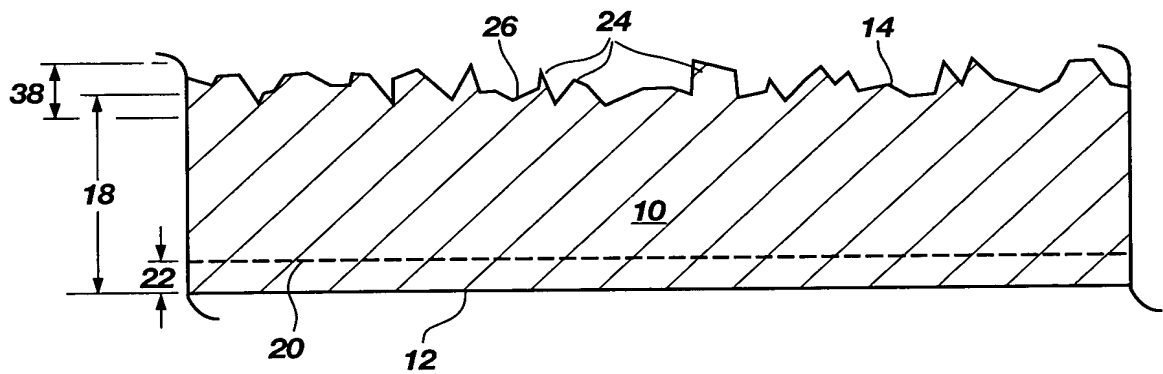


FIG. 3
(PRIOR ART)

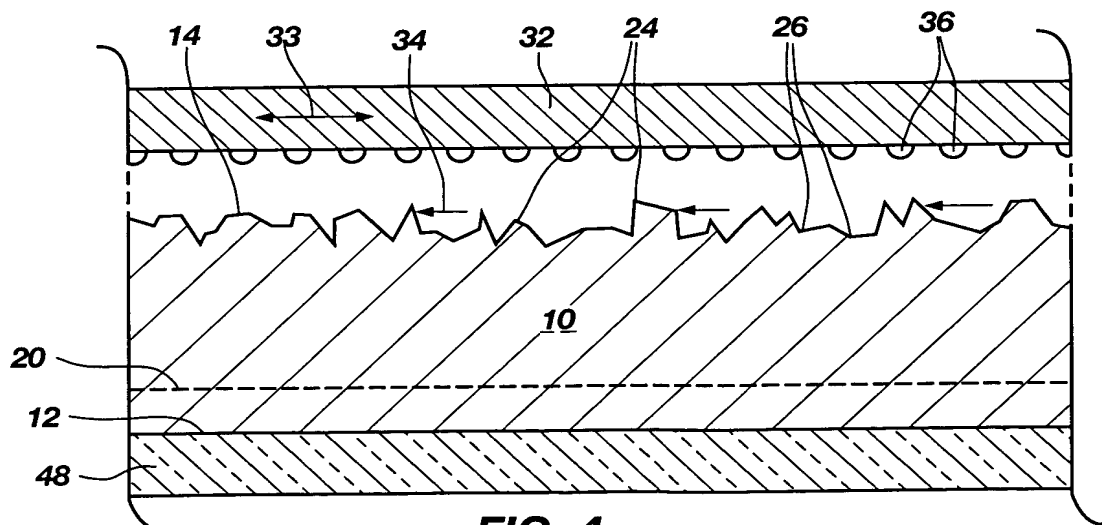


FIG. 4
(PRIOR ART)

3/5

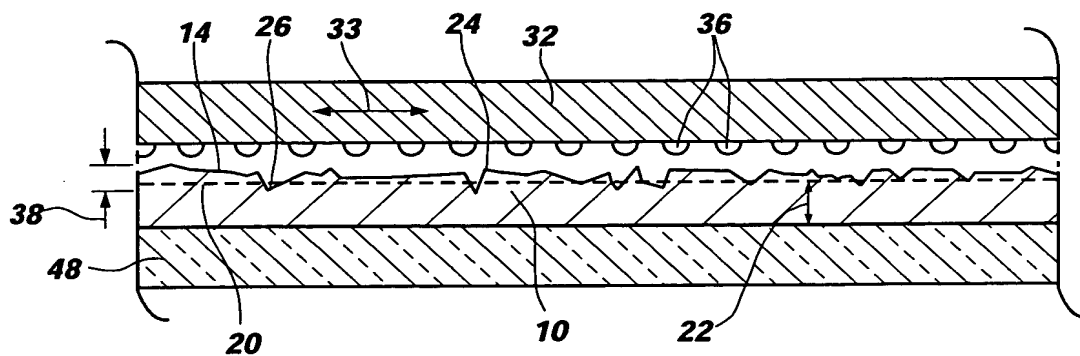


FIG. 5
(PRIOR ART)

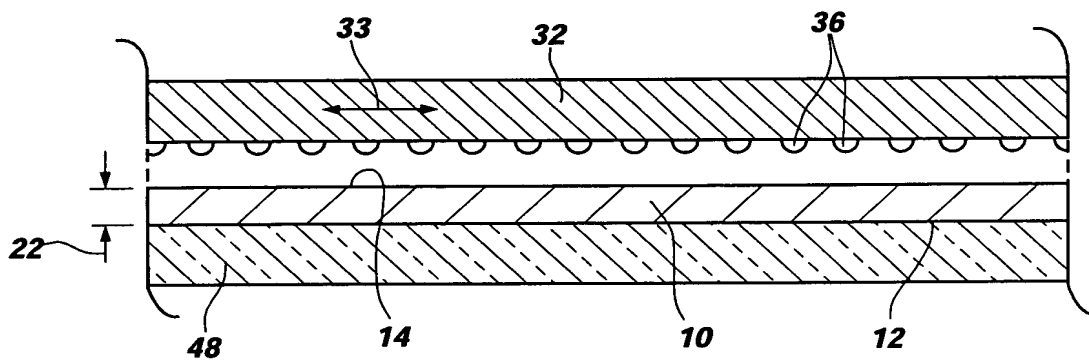


FIG. 6
(PRIOR ART)

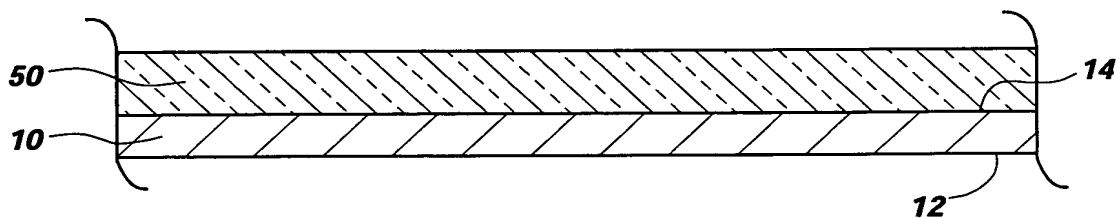


FIG. 7
(PRIOR ART)

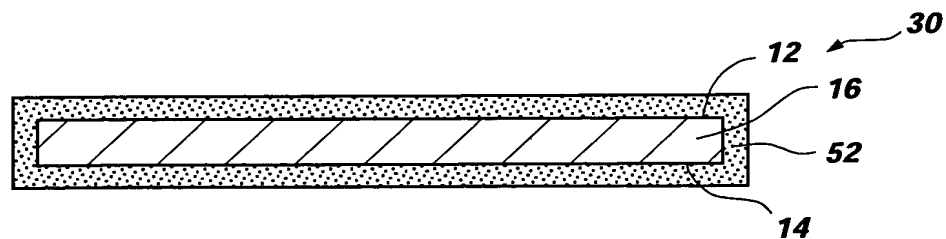


FIG. 8
(PRIOR ART)

4/5

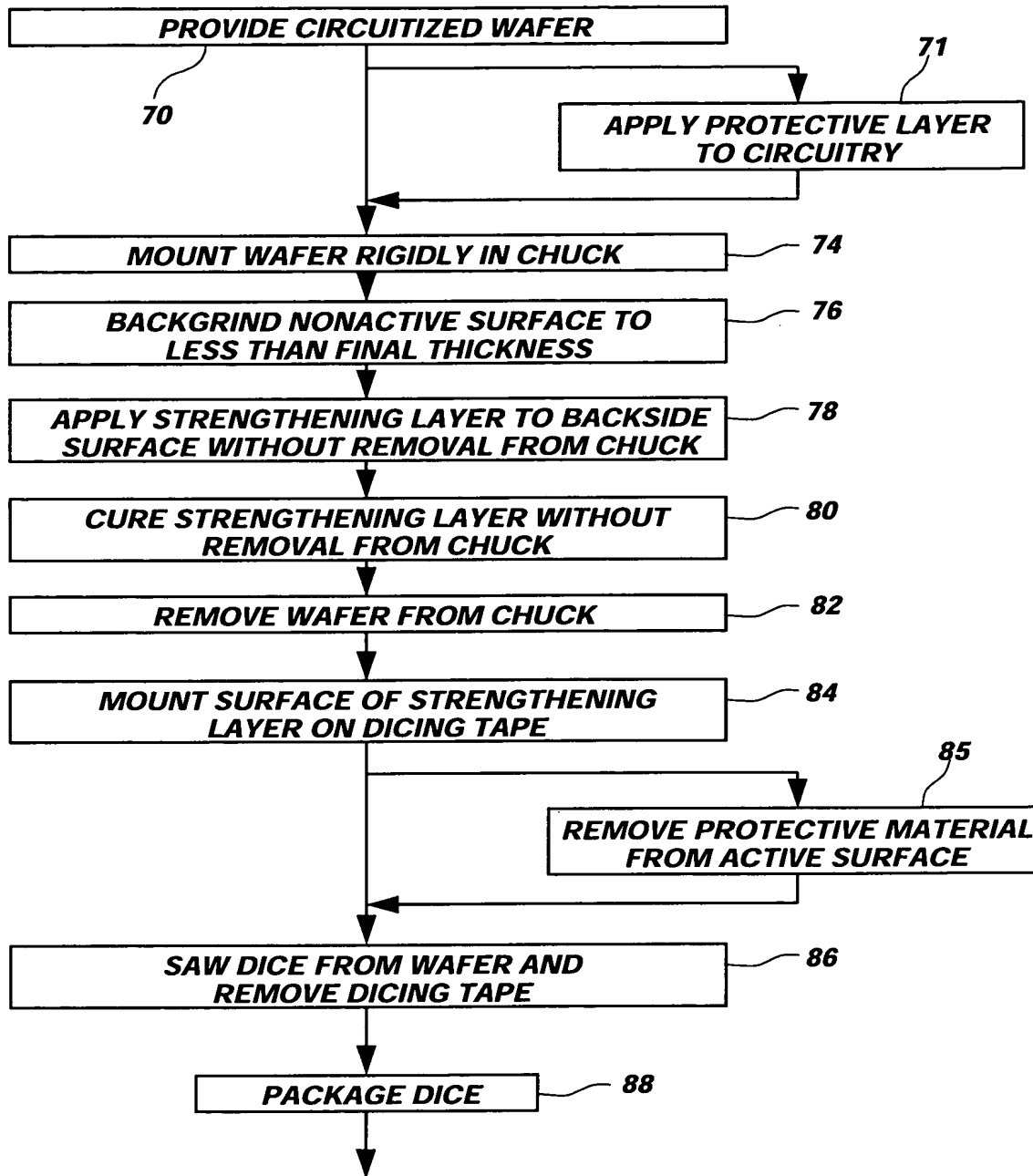


FIG. 9

A cross-sectional view of a composite material 10. The material consists of a top layer 14, a middle layer 40, and a bottom layer 12. The interface between the top layer 14 and the middle layer 40 is wavy, indicated by a wavy line 20. The bottom layer 12 is hatched. Arrows 22 point to the top and bottom surfaces of the material, indicating applied forces.

A cross-sectional view of a substrate 10 with a thin layer 12 on its top surface. A wavy interface 14 separates the thin layer 12 from a lower layer 20. A layer 40 is located below the wavy interface 14, and a layer 50 is at the bottom of the structure.

FIG. 13